

Substitute for form 1449A/PTO

OCT 30 2007

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/110,694
Filing Date	7/7/1998
First Named Inventor	Mills
Group Art Unit	1745
Examiner Name	Kalafut

Sheet

1

of

49

Attorney Docket Number

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		1,001,589		Hatfield	08-23-1911	
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		3,297,484		Niedrach	01-10-1967	
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		3,377,265		Caeser	04-09-1968	
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		4,274,938		Schulten	06-23-1981	
		4,337,126		Gilligan, III et al.	06-29-1982	
		4,464,990		Bendler	08-14-1984	
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		5,318,675		Patterson	06-07-1994	
		5,372,688		Patterson	12-13-1994	

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		5,449,434		Hooke et al.	09-1995	
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		WO	90/10935	A1	Pons	09-20-1990		
		WO	90/14668	A2	Cravens	11-29-1990		
		WO	91/01036	A1	Dufour	01-24-1991		
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	00/07931	A1	Mills	02-17-2000		
		WO	00/07932	A2	Mills	2-17-2000		
		WO	00/25320	A1	Davies	05-04-2000		
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		WO	03/093173	A2	Mills	11-13-2003		

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		GB	2 343 291		Lloyd Wise, Tregear & Co.	05-13-2000		
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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		Albagli, et. al. "Measurement and Analysis of Neutron and Gamma-Ray Emission Rates, Other Fusion Products, and Power in Electrochemical Cells Having Pd Cathodes." <i>Journal of Fusion Energy</i> , Vol 9, No 2, June 1990, pp. 133-148.	
		Alber, et. al. "Search for Neutrons from Cold Nuclear Fusion." <i>Z. Phys. A. - Atomic Nuclei</i> , Vol 333, 1989, pp. 319-320.	
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		Associated Press. "Pennsylvania Company...Cold Fusion Mystery." <i>Lexis Nexis</i> Reprint, 1991.	
		Associated Press. "Physicist: Utah Cold-Fusion Gear Doesn't Work." <i>The Washington Post</i> , March 29, 1990, p. A3.	
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		Baard, Erik. "The Empire Strikes Back." <i>The Village Voice</i> , April 26-May 2, 2000	
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		Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407.	
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		"The Biggest Venture Capital Conference of the Year is Quickly Approaching," Special to Evening Bulletin 09/29/2006, < http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&BRD=2737&PAG=461&dept_id=57636&rft=6 >	
		Bishop. "It ain't over til it's over ... Cold Fusion." <i>Popular Science</i> , Aug 1993, pp. 47-51.	
		Bishop. "More Labs Report Cold Fusion Results." <i>Wall Street Journal</i> , Oct 19, 1992.	
		BlackLight Power, "Executive Summary," January 11, 1999, pp. 1-6	
		Blacklight Power, Inc., "Second Shareholder Newsletter '97" < http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html >	
		Blue. "Cold Fusion Lies 6." <i>Deja News on the Internet</i> , April 13, 1997, pp. 1-2, available at http://x7.dejanew/us.com	
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		<i>Boston Globe</i> ., "Successful nuclear fusion experiment by the Italians." Wednesday, April 19, 1989.	
		Braaten. "Ridiculously Easy Test Yields Claim of Energy Triumph." <i>The Washington Times</i> , March 24, 1989, p. A5.	
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.	
		Briars. "Critique of New Energy, New Physics." 7 segments, <i>Deja News on the Internet</i> , March 9, 1989, pp. 1-9, available at http://x7.dejanew/us.com .	
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			Group Art Unit	1745	
			Examiner Name	Kalafut	
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		12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.)	
		11. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 309–326. (Internet Publication Date: June 27, 2000.)	
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Examiner Signature			Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/110,694
				Filing Date	7/7/1998
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	47	of	49	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," Fusion Technology, Vol. 28, No. 4, November, (1995), pp. 1697–1719. (Internet Publication Date: Nov. 1, 2001.)	
		3. Mills et al., "Dihydrino Molecule Identification," Fusion Technology, Vol. 25, 103-119 (Jan. 1994). (Internet Publication Date: April 11, 2001.)	
		Mills Technologies. "1KW Heat Exchanger System." Thermacore, Inc., Oct 11 1991, pp. 1-6	
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Examiner Signature			Date Considered

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Sheet	48	of	49	Attorney Docket Number	

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		Mills, "Author's response 'A possible trick of Hydride atom'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225.	
		Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01	
		Mills, "Hydro catalysis Power Technology," <i>Statement of Dr. Randell L. Mills</i> , May, 1993.	
		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9	
		Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro catalysis Power Corporation," 1992, pp. 53-84.	
		Mills, "Author's response to 'Hydrino atom: novel chemistry or invalid physics'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1233.	
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		Mills, "Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001.	
Examiner Signature			Date Considered

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		Application Number	09/110,694		
		Filing Date	7/7/1998		
		First Named Inventor	Mills		
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Sheet	49	of	49	Attorney Docket Number	

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		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 13-14, BlackLight Power, Inc., pp. 433-440, 2001.	
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ATTACHMENT A

		Date(s)	Compensation Arrangements	Cash Payments Made	Options Issued	Shares Owned
AKHTAR (Employee)	Dr. Kamran	-	Employee Salary	-	EE Options Only	None
BALDWIN (NASA)	Dr. R.	-	-	-	None	None
BONIFACE (Chalk River Labs)	Dr. H.A.	-	-	-	None	None
BRADFORD (PSU Student)	Dr. Michael	9/13/1994	Ad Hoc/ One-time Only	9/13/1994	None	None
CHANG (Employee)	Dr. Zhixiang	-	Employee Salary	-	EE Options Only	None
CHEN (EE & Consultant)	Dr. Chun-Ku	6/1/04-5/31/05	\$50/hour	2/7/2005	EE Options Only	None
CHEN (Employee)	Dr. Xuemin	-	Employee Salary	-	EE Options Only	None
CLARK (INP Greifswald)	Dr. H.R.	-	-	-	None	None
CONRADS (INP Greifswald transferred agrmnt to Conrads)	Dr. Johannes	8/4/99-9/23/05	2 wire transfers	2/14/00 6/12/01	Options granted from 9/9/96 to 8/5/97; some options expired; some options exercised 9/7/06	Some options exercised 9/7/06
CRAIG	Dr. W.Y.	-	-	-	None	None
CRAW-IVANCO (Chalk River Labs)	Dr. M.T.	-	-	-	None	None
DAYALAN (Employee)	Dr. Ethirajulu	-	Employee Salary	-	EE Options Only	None
DHANDAPANI (Employee)	Dr. Bala	-	Employee Salary	-	EE Options Only	None
DONG (EE & Consultant)	Dr. Jinquan	7/30/03-1/31/04 2/1/04-7/31/04 11/16/04-5/1/505	\$35/hour \$45/hour \$45hour	2/28/02 8/20/03	EE Options Only	None
ECHENZURIA (Employee)	Alejandra	-	Employee Salary	-	EE Options Only	None
FRALICK (Semitech)	Dr. G.C.	-	-	-	None	None
FUELLING (U Nevada)	Dr. Stephan	-	-	-	None	None
GAMBERALE	Luca	-	-	-	None	None
GERNERT (Thermacore)	Dr. N.J.	-	-	-	None	None
GOOD (EE & Officer)	William	-	Employee Salary	-	EE & Officer Options Issued Beginning 9/1/92	Shares Owned Beginning 1991

GREENIG (EE & Consultant)	Nelson	11/1/01-10/31/02 11/1/02-10/31/03 3/8/04-3/7/05 3/8/05-3/7/06 3/8/06-3/7/07 3/8/07-3/7/08	\$50/hour \$50/hour \$50/hour \$50/hour \$50/hour \$50/hour	7/19/95 4/27/01 10/14/02	EE Options Only	None
HALDEMAN (MIT Lincoln Labs)	Dr. C.W.	-	-	-	None	None
HE (Employee)	Dr. Jiliang	-	Employee Salary	-	EE Options Only	None
HICKS (Employee)	Steven	-	Employee Salary	-	EE Options Only	None
HILBORN (Chalk River Labs)	Dr. J.W.	-	-	-	None	None
ISELER (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
JACOX (INEL)	Dr. Michael	-	-	-	Options granted 9/9/96 to 3/3/97; all options expired	None
JANSSON (Rowan U)	Dr. Peter M.	6/10/02-10/31/02 (contract)	\$100 \$10	10/17/97 12/31/2002	None	Purchased shares 7/2/97; gifted to ex-wife and son 5/1/07
KNEIZYS	S.	-	-	-	None	None
KRYUKOV (Moscow Power Engineering Institute)	Dr. A.P.	-	-	-	None	None
KURTZ (PSU)	Dr. Stewart	-	-	-	Options granted 9/9/96 to 11/8/02; some expired	None
LEE (U of Ohio)	Dr. Jang-Jung	-	-	-	None	None
LU (EE & Consultant)	Dr. Ying	8/6/01 5/9/03-5/16/03 5/27/03-5/30/03 5/30/03-6/30/03 7/1/03-7/31/03 8/1/03-1/30/04	\$100/hour \$80/hour \$80/hour \$45/hour \$45/hour \$45/hour	10/01/01 5/23/03	EE Options Only	None
MARCHESE (Rowan U)	Dr. Anthony J.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
MAYO (EE & Consultant)	Dr. Robert	6/8/01-8/8/01	\$50/hour	7/23/2001	EE Options Only	None
MEYERS (NASA)	Dr. I.	-	-	-	None	None
MILLER (Lehigh U)	Dr. Alfred	-	\$250	6/12/1997	Options granted 9/9/96 to 3/3/97; all options expired	None

MILLS (EE & Director)	Dr. Randell	-	Employee Salary	-	EE & Director Options Issued Beginning 9/9/96	Shares Owned Beginning 1991
NANSTEEL (EE & Consultant)	Dr. Mark W.	3/30/05-3/29/06 3/30/06-3/29/07 3/30/07-8/31/08	\$80/hour \$80/hour \$80/hour	8/24/2005	EE Options Only	None
NESTEROV (Moscow Power Engineering Institute)	Dr. S.B.	-	-	-	None	None
NIEDRA (NASA)	Dr. J.	-	-	-	None	None
NONINSKI (Brookhaven)	Dr. V.	-	-	-	None	None
ONUMA (Employee)	Dr. Takeyoshi	-	Employee Salary	-	EE Options Only	None
PACIFICORP		-	-	-	Options granted 4/7/97 to 4/27/98; some options expired	Purchased shares 9/20/96 & 7/2/97; transferred all shares to ScottishPower Ventures, Inc. 6/21/07
PETERSON (Westinghouse)	Dr. S.H.	-	-	-	None	None
PHILLIPS (PSU, UNM, LANL)	Dr. Jonathan	2/1/96-1/31/97 1/1/97-4/30/97 3/15/00-3/18/00 10/8/01-4/8/02 4/8/02-10/8/02 10/9/02-10/8/03 10/9/03-10/8/04 10/9/04-10/8/05 10/9/05-10/8/06 10/9/06-10/8/07	\$100/hour Options Only \$5,000 \$125/hour \$125/hour \$125/hour \$100/hour \$100/hour \$100/hour \$100/hour	4/26/95 5/9/00	Options granted 9/9/96-1/14/06; some options exercised	Some options exercised 9/1/06 & 2/20/07
RAY (Employee)	Dr. Paresh	-	Employee Salary	-	EE Options Only	None
SANKAR (EE & Consultant)	Dr. Jayasree	3/17/03-3/16/04 3/22/04-3/21/05	\$50/hour \$50/hour	-	EE Options Only	None
SAVOYE (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
SCHARER (U Wisconsin)	Dr. John	1/5/05-1/4/06 1/5/06-1/4/07 1/5/07-1/4/08	\$800/day \$100/hour \$110/hour	11/14/2005	None	None
SCHMALZEL (Rowan U)	Dr. John L.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
SHANNON (Employee)	Tina	-	Employee Salary	-	EE Options Only	None
SHAUBACH (Thermacore)	Dr. R.M.	-	-	-	None	None
SIMMONS (Lehigh U)	Dr. G.	-	-	-	None	None
TREMBLAY (Chalk River Labs)	Dr. R.P.	-	-	-	None	None

TURNER (Spectral Data)	Dr. Gary L.	-	-	-	None	None
VOIGT (EE & Consultant)	Dr. Andreas	8/27/04-8/26/05	\$50/hour	-	EE Options Only	None
WATTS (INEL)	Dr. K.D.	-	-	-	None	None
WEISMANN	Dr. H.	-	-	-	None	None
WIESMANN	Dr. H.	-	-	-	-	-
WRUBEL (INP Greifswald)	Dr. Th.	-	-	-	None	None
ZEA (Employee)	Dr. Hugo	-	Employee Salary	-	EE Options Only	None

ATTACHMENT B

MASTER LIST OF CITED AND SUBMITTED DOCUMENTS

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Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O)
Letter from Senator Max Cleland to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O)
Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O)
Letter from Senators Max Cleland and Ron Wyden to The Honorable Donald L. Evans, December 20, 2001 (see Attachment O)
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/110,694
				Filing Date	07/07/1998
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	1	of	1	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Souw, Bernard, "Coherent Telescope array with self-homodyne interferometric detection for optical communications," Opt. Eng. 42(11) 3139-3157 (Nov. 2003); U.S. Department of Commerce, Summary of Ethics Rules, USPT, 2000; October 15, 2004 E-mail to Examiner Wayner (Attachment S)	
Examiner Signature			Date Considered

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	58	R. L. Mills, "Classical Quantum Mechanics," Physics Essays, submitted. (<i>Web Publication Date: May 23, 2002.</i>)	
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	94	R. L. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essay 94, submitted. (<i>Web Publication Date: Aug. 6, 2003.</i>)	

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	106	R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium Which Pre-Conjugate Parameters from a Unique Solution for the First Time," submitted. (<i>Publication Date: July 30, 2004.</i>)	
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(use as many sheets as necessary)***Complete if Known**

Application Number	09/110,694
Filing Date	July 7, 1998
First Named Inventor	Mills
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	62-226-8AC5

Sheet 1 of 14

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Number	Kind Code** (if known)			
		1,001,589		Hatfield	08-23-1911	
		2,708,656		Fermi	05-17-1955	
		3,297,484		Niedrach	01-10-1967	
		3,300,345		Lyons	01-24-1967	
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				Examiner Name	Unknown
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	90/10935	A1	Pons	09-20-1990		
		WO	90/14668	A2	Cravens	11-29-1990		
		WO	91/01036	A1	Dufour	01-24-1991		
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		JP	56-136644		Hitachi	03-28-1980		X

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